SONY

3-751-567-21 (1)

Video/Audio Selector

SB-V900

Operating instructions Page 2
Mode d'emploi Page 30

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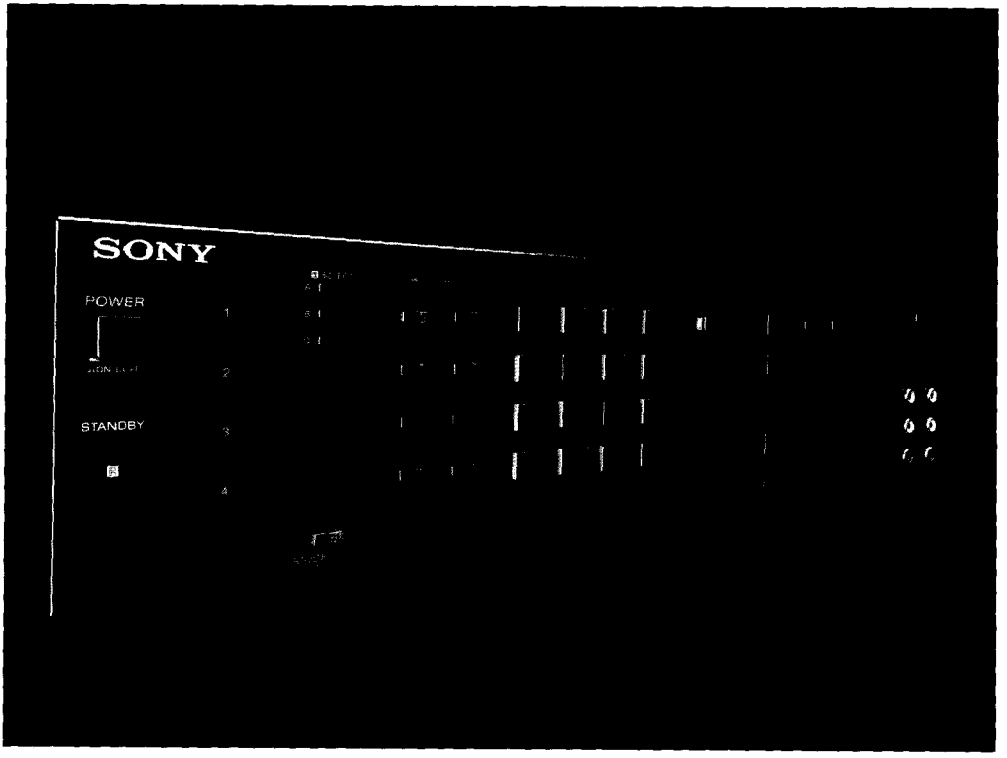

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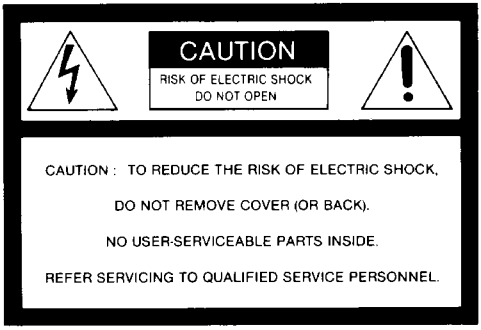
Warning

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION:

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

For the customers in USA

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient the receiving antenna
Relocate the equipment with respect to the receiver
Move the equipment away from the receiver
Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4.

For the customers in Canada

This apparatus conplies with the Class B limits for radio noise emissions set out in Radio Interference Regulations.

Caution

Television programs, films, video tapes and other materials may be copyrighted. Unauthorized recording of such material may be contrary to the provisions of the copyright laws.

Owner's Record

The model and serial numbers are located at the rear. Record the serial number in the space provided right. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. SB-V900

Serial No. _____

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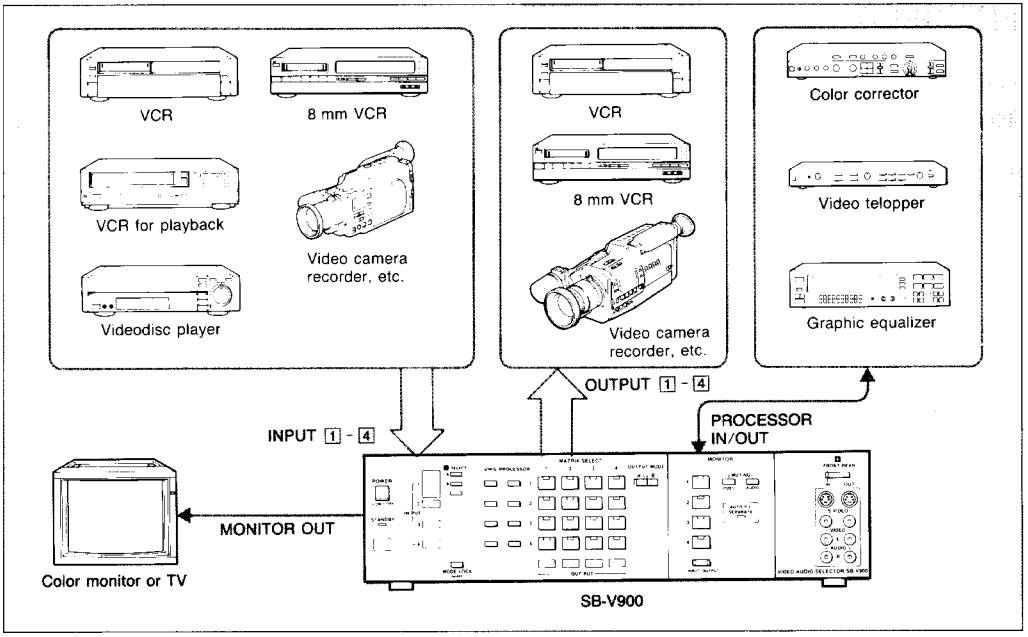
Overview

Various Kinds of Equipment Can Be Connected

Up to eight different pieces of equipment can be connected to the input jacks, and seven to the output jacks.
For the four sets of input/output jacks, each input/output equipment can be freely selected.
All input/output jacks include S VIDEO jacks so that you can enjoy high quality picture playback and editing.



Full Matrix Select Function — Full Cross Dubbing

Free input/output designation is possible for the equipment connected to four sets of input/output jacks. Two different dubbings can be performed at the same time. You can also monitor either the picture being edited or another picture while editing.

Visual or Auditory Effects Can Be Added

By connecting AV processors such as a color corrector or an equalizer, various visual or auditory effects can be added to the edited picture.

Two Kinds of Output Mode

The output mode can be switched to mode A or B.
Mode A is for secure and simple editing. The INPUT and OUTPUT jacks of the same number must be connected to the same equipment. Designation of the same jack number for input and output is not possible in mode A.
Mode B is for flexible and diverse editing. The INPUT and OUTPUT jacks of the same number can be connected to two different pieces of equipment. Jacks of the same number can be designated for input and output at the same time in mode B.
By selecting the appropriate output mode, this unit can be fully used for various types of editing.

Y/C Separation Circuit

A composite video signal can be transformed into a Y/C separated S video signal when output. MONITOR OUT jack is equipped with the automatic Y/C separate circuit, so that if a monitor with S video input is connected, you can always monitor the picture on S video signal.

Precautions

On safety

- Operate the unit only on 120 V AC, 60 Hz.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any further.
- One blade of the plug is wider than the other for the purpose of safety and will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- Unplug the unit from the wall outlet if it will not be used for an extended period of time. To disconnect the cord, pull it out by grasping the plug. Never pull the cord itself.
- Connect audio or video equipment whose total power consumption is less than the wattage indicated on the AC outlet on the rear panel.

On installation

- Do not install the unit in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Good air circulation is essential to prevent internal heat build-up in the unit. Place the unit in a location with adequate air circulation. Do not place the unit on a soft surface, such as a rug that would block the ventilation holes.

On connection

- Before connecting, be sure to turn off all equipment.
- Insert plugs securely, as loose connections may cause hum and noise.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- To avoid interference, turn off equipment not in use.
- If noise occurs in the picture or sound, move the pieces of equipment farther away from each other.
- For details on connections, refer to the instruction manual covering the corresponding equipment.

On operation

When the unit will not be used, turn the power off to conserve energy and to extend the useful life of your unit.

On cleaning the cabinet

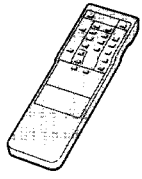
Clean the cabinet, panels and controls with a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

On repacking

Do not throw away the carton and the packing material. It makes an ideal container to transport the unit in.

For the customers in the U.S.A.
For detailed safety precautions, see the leaflet "IMPORTANT SAFEGUARDS".

Accessories supplied



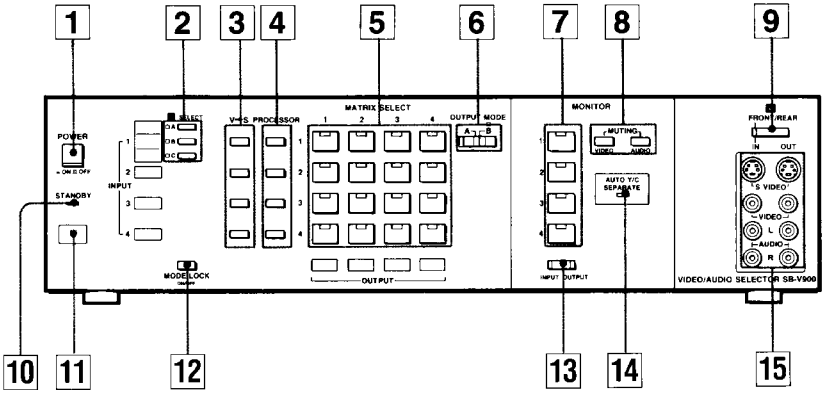
Remote Commander RMT-900 (1)

Size AA (R6) batteries (2)

Labels for INPUT/OUTPUT identification (1 set)
Quick reference for connection and editing (1)

Location and Function of Controls

Front Refer to the pages indicated in ● for details.



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1 POWER switch

2 SELECT 1 (A/B/C) buttons and indicators ●
Press to select the input source connected to INPUT 1 (A/B/C) jacks. The indicator of the selected button lights up.

3 *V → S (composite → S video transforming)* buttons ●
Press to transform the composite video signal into the S video signal when output. The selected button lights up.

4 PROCESSOR buttons ●
Select the input signal to which special effects are to be added, through an AV processor, such as a color corrector or a graphic equalizer. Press the selector whose number corresponds to that of the input jack for the input signal. The pressed button lights up.

5 MATRIX SELECT (input/output select) buttons ●
Selects input (playback) source and output (recording) equipment. Press the button at the position where the column for number of the input jack crosses the column for that of the output jack. The pressed button lights up.

6 OUTPUT MODE switch and B mode indicators ● ●
Normally set to A. When designating the input and output jacks of the same number, set to B. The B mode indicator lights up when such designation is made.

7 MONITOR 1 – 4 buttons ●
Press to select the number assigned for the jack where the desired video equipment is connected. The pressed button lights up.

8 MONITOR MUTING VIDEO/AUDIO buttons ●
Press to mute the picture (VIDEO) or sound (AUDIO) output. Press the button again to cancel the muting.

9 FRONT/REAR button and indicator ●
Press to select the input 4 jacks on the front or at the rear to be used. The indicator lights up when the front 4 jacks are selected. Both the output 4 jacks on the front and at the rear output the same signal simultaneously.

10 *STANDBY lamp*
Lights up when the power is turned off with the Remote Commander while the POWER switch on the main unit is set to ON.

11 Remote control detector

12 MODE LOCK ON/OFF button ●
Press to fix the current input/output setting. No control functions except the buttons for MONITOR and the POWER switch. Press the button again to release the lock.

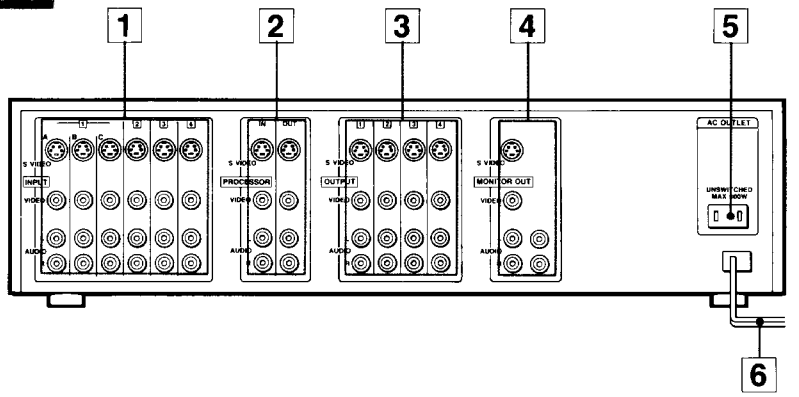
13 MONITOR INPUT/OUTPUT button and indicators ●
Selects the signal output to the monitor: the signal currently input to the INPUT jack or the signal currently output from the OUTPUT jack.

14 AUTO Y/C SEPARATE indicator ●
Lights up when the output signal to the monitor is automatically transformed into the Y/C separated S video signal. When the output signal is originally an S video signal, the indicator does not light up.

15 IN/OUT 4 S VIDEO/VIDEO/AUDIO jacks ●
Function the same as the jacks 4 at the rear. They are useful for connecting equipment necessary for editing, such as an 8mm video camera recorder. Select the front or rear jacks by using the FRONT/REAR button.

Rear panel

Refer to pages ● to ● for connections.



1 **INPUT 1 (A/B/C), 2, 3, 4 S VIDEO/VIDEO/ AUDIO jacks (4-pin mini DIN/phono jack)**

2 **PROCESSOR IN/OUT (processor input/output) S VIDEO/ VIDEO/AUDIO jacks (4-pin mini DIN/phono jack)**
Connect to AV processors.

3 **OUTPUT 1 - 4 S VIDEO/VIDEO/AUDIO jacks (4-pin mini DIN/ phono jack)**

4 **MONITOR OUT (monitor output) S VIDEO/VIDEO/ AUDIO jacks (4-pin mini DIN/phono jack)**
When a composite video signal is input, a Y/C separated signal is also output from the S VIDEO jack.

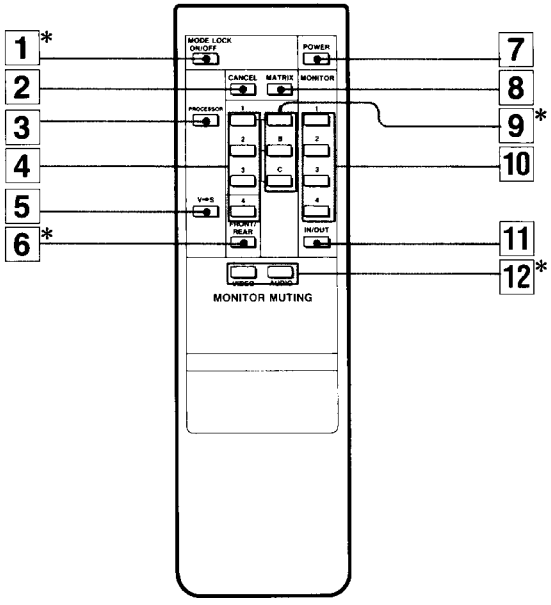
5 **UNSWITCHED AC OUTLET (max. 300 W)**
Equipment whose power consumption is less than 300 W can be connected.
Caution
Do not connect an equipment whose power consumption is more than 300 W.

6 **AC power cord**

Function of the S VIDEO INPUT/OUTPUT jacks
A finer and clearer picture can be obtained in both recording and playback with the use of the S VIDEO jacks. The S VIDEO INPUT/OUTPUT jacks input and output the Y (luminance) and the C (color) signals of the video signal separately, which prevents them from interfering with one another, thereby improving picture quality. This unit incorporates a circuit which separates the Y and the C signals. The signal input from the video equipment without S video jacks can be transformed into the S video signal and output to video equipment with S video jacks. The signal output from the MONITOR OUT jack is automatically transformed into the S video signal.

Remote Commander

The functions of the * buttons are the same as those on the front panel. Refer to pages ㉔ and ㉕ for operation using other buttons on the Remote Commander.



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1 ***MODE LOCK ON/OFF button**

2 **CANCEL button**
Press to cancel an operation in which two or more buttons of the Remote Commander are pressed in sequence.

3 **PROCESSOR button**

4 **1 - 4 (jack number) buttons**
Press to select the jack for input/output. Use these buttons together with the MATRIX button, the V → S button, or the PROCESSOR button on the Remote Commander.
For details, see page ㉖.

5 **V → S (composite → S video transforming) button**

6 ***FRONT/REAR (jack 4 front/rear select) button**

7 **POWER button**
Press to turn the unit on or off when the POWER switch on the main unit is set to ON.

8 **MATRIX button**
Press this button first when selecting the equipment for input/output.

9 ***A - C (INPUT 1 select) button**
Press to select the input source connected to INPUT 1 (A/B/C) jacks.

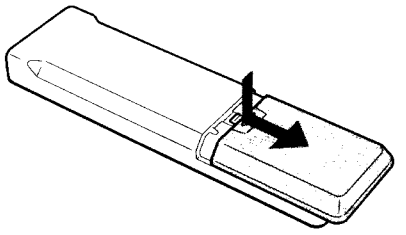
10 **MONITOR 1 - 4 buttons**

11 **IN/OUT (monitor input/output select) button**

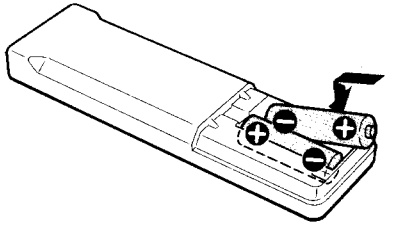
12 ***MONITOR MUTING VIDEO/AUDIO button**

Installing Batteries

1 Open the lid.



2 Install two size AA(R6) batteries with the correct polarity, and close the lid.



- In normal operation, batteries will last up to half a year. If the unit does not operate properly, the batteries may be exhausted. Replace all of them with new ones.
- To avoid damage from possible battery leakage, remove the batteries when the Commander will not be used for a long time.

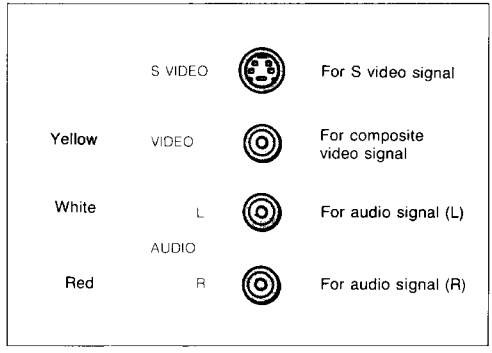
Before Connection

Precautions

- Before connection, be sure to turn off all equipment.
- Insert the plug fully. Loose connection may cause the noise.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- If noise occurs, leave enough space between each piece of equipment.
- Refer to the manual of the corresponding equipment for connection.

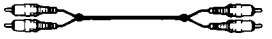
About the Input/Output Jacks

VIDEO and AUDIO jacks are distinguished by color. Connect the cord so that the color of each plug corresponds to that of the jacks on this unit and on the other equipment.



Recommended Connecting Cords

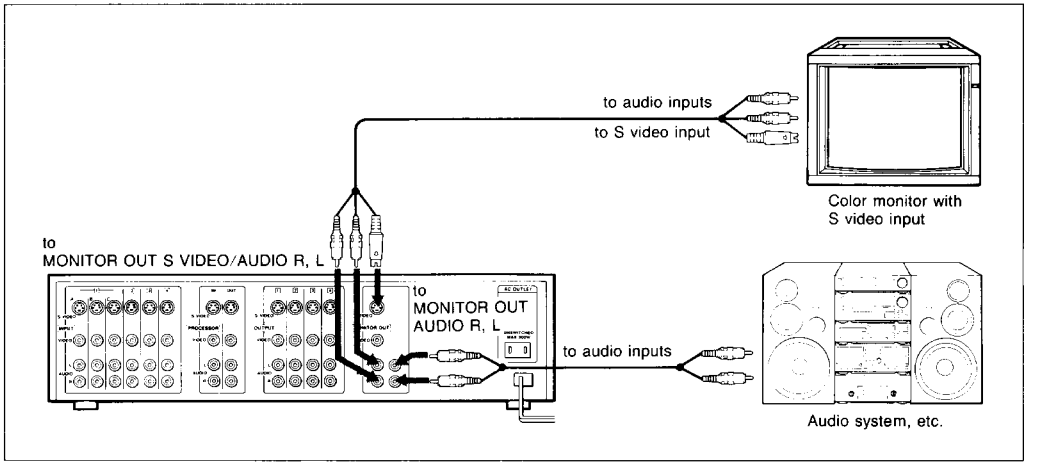
For connection, the use of following connecting cords (not supplied) is recommended.

YC-15V/YC-15EV (1.5 m) **YC-30V/YC-30EV** (3 m)	S video input/output 4-pin mini DIN — 4-pin mini DIN
VMC-1S (1.2 m) **VMC-3S** (3 m)	Video input/output Phono plug (yellow) — Phono plug (yellow)
RK-C74 (1.5 m)	Audio input/output (stereo)  Phono plug (×2) — Phono plug (×2)
VMC-810S (1 m) **VMC-820S** (2 m)	Video and audio (stereo) input/output Phono plug (×3) — Phono plug (×3)

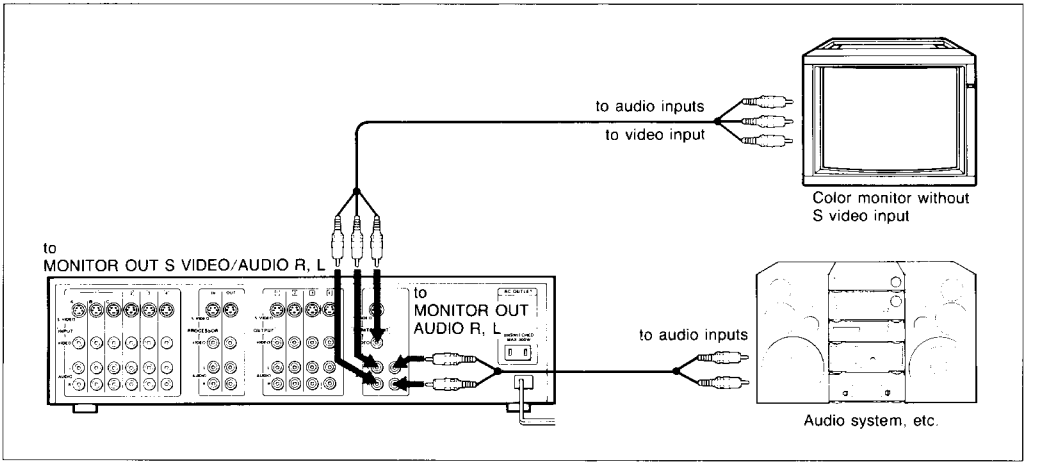
Connecting a Color Monitor or a TV

You will need a color monitor or TV with a video or an S video input jack. This unit has two sets of AUDIO output jacks so that one of them can be connected to an audio system, etc., to record the sound or to listen to the sound through the audio system. The picture and sound output from MONITOR OUT can be muted with the MUTING button on the front panel or the Remote Commander.

Connecting a Color Monitor or a TV with an S Video Jack



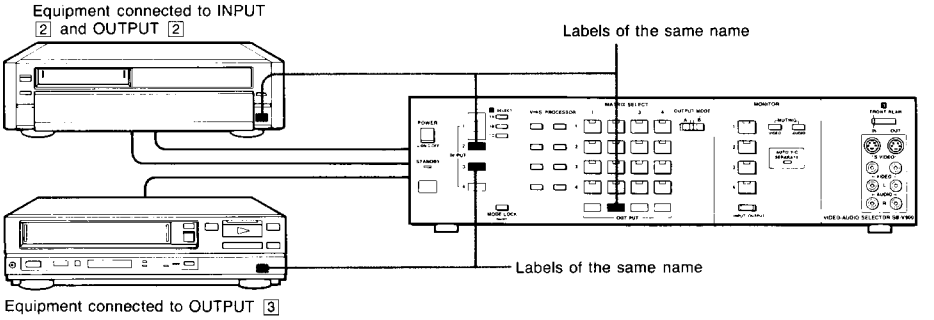
Connecting a Color Monitor or a TV without an S Video Jack



Connecting Video Equipment

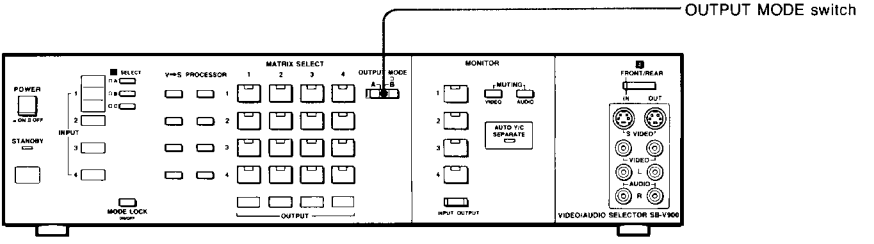
Using the Supplied Labels

After connecting all the equipment, affix the labels for INPUT/OUTPUT identification (supplied) on the front panel of the unit and the connected equipment so that you can easily see which jack corresponds to which equipment.



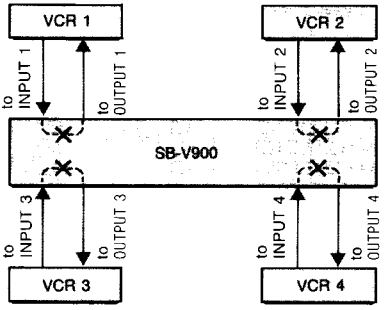
About Two Output Modes for Editing

You can select one of the two output modes: A or B.
How you connect equipment differs depending on the selected mode.
Select the output mode with the OUTPUT MODE switch.



Connection for Mode A

Connect equipment to the INPUT and OUTPUT jacks of the same number so that it is easy to see what equipment is connected to which jack number. In this mode, input/output designation of the same number is not possible because recording and playback cannot be done simultaneously on the same equipment.
If such designation is made, the signal goes out and comes in in a cycle within a single piece of equipment and causes noise.



INPUT \ OUTPUT	1	2	3	4
1	×	○	○	○
2	○	×	○	○
3	○	○	×	○
4	○	○	○	×

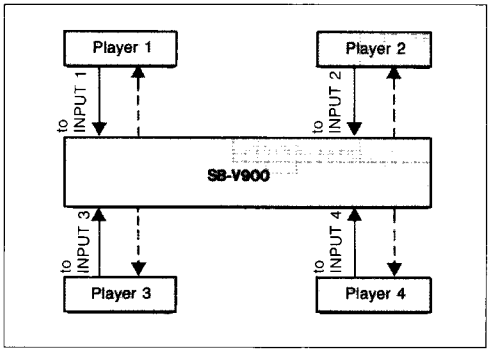
○ Input/output designation is possible.
× Input/output designation is not possible.

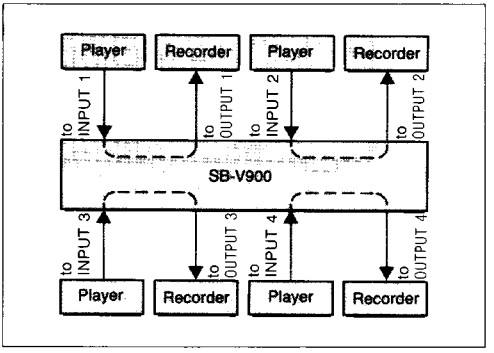
When the signal goes out and comes in in a circle through several pieces of equipment, it also causes noise.

Connection for Mode B

A videodisc player and multi disc player are equipment which only playback the picture. These types of equipment are connected to the INPUT jacks of this unit, while the OUTPUT jacks of the same number remain blank. (- - → remains blank.)

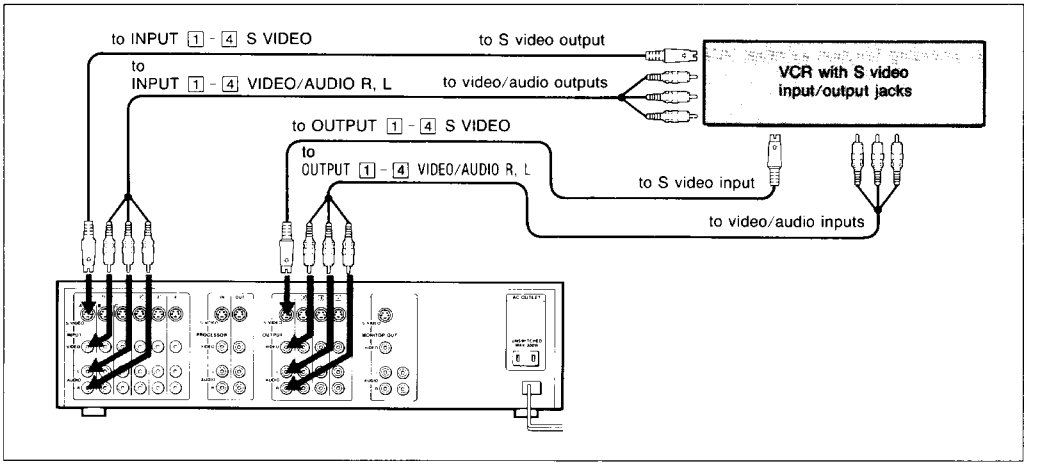
Mode B allows the blank OUTPUT jack to be used. For mode B use, connect different equipment to the INPUT and OUTPUT jacks of the same number. It is then possible to make an input/output designation where video and audio signals go out and come in in a cycle.





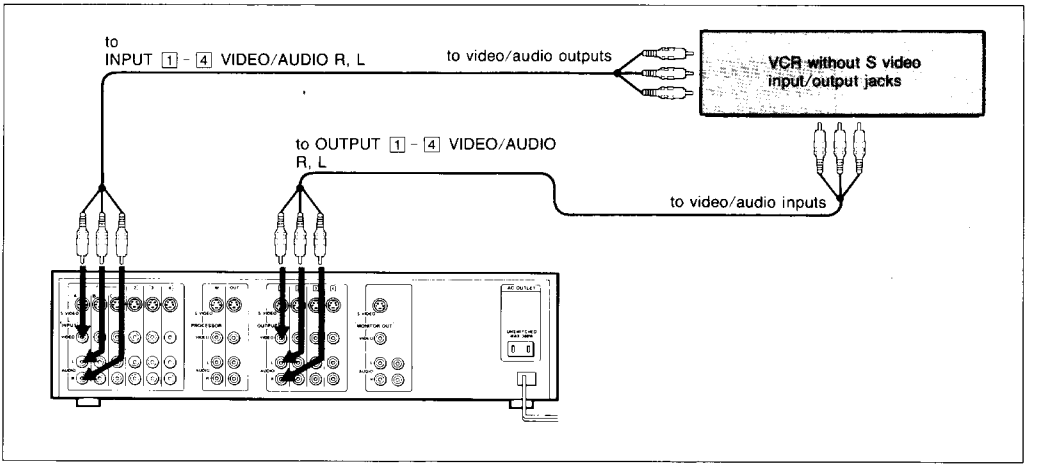
Mode B provides diversity and flexibility. When you connect equipment which does not have a recording function, mode B is convenient.

Connecting a VCR with an S Video Jack



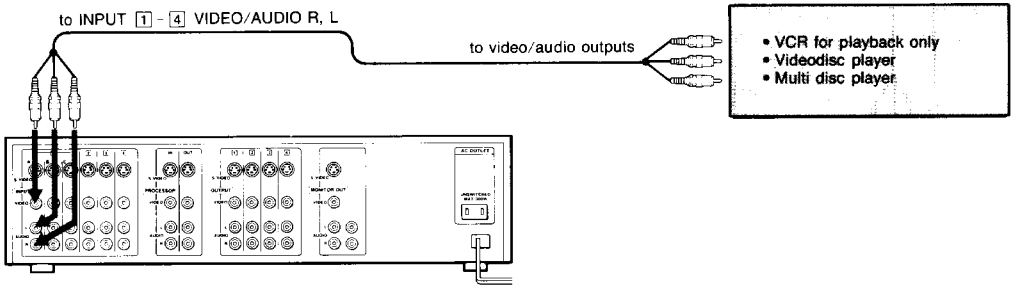
Note
When connecting a VCR with an S video jack and another without an S video Jack, connect both the S VIDEO and VIDEO jacks as shown in a diagram above. Editing between VCRs with and without an S video jack is possible only when both sets of the above jacks are connected.

Connecting a VCR without an S Video Jack



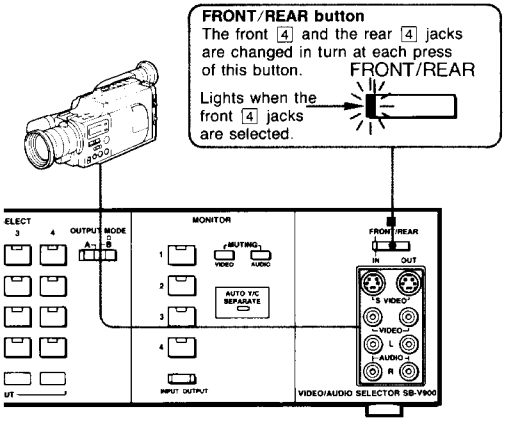
Connecting a Video Player

Video players, such as a VCR for playback only, a videodisc player, and a multi disc player do not have a picture recording function as other VCRs do.



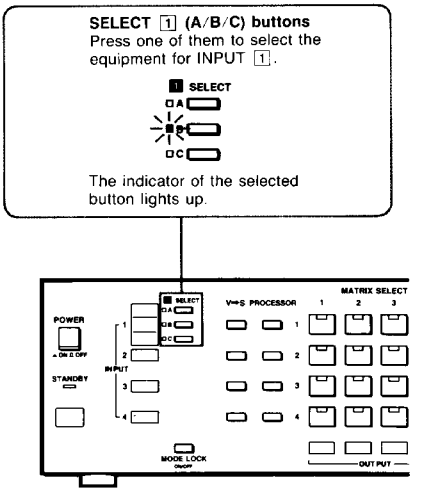
Using the INPUT/OUTPUT 4 Jacks on the Front Panel

You can select to use the INPUT/OUTPUT 4 jacks on the front or at the rear, whichever is convenient to connect the equipment. Select the jacks on the front or at the rear, using the FRONT/REAR button on the front panel.
OUTPUT 4 jacks both on the front and at the rear always output the same signal, so that two pieces of video equipment connected to the OUTPUT 4 jacks can be used for editing at the same time.



Using the INPUT 1 (A/B/C) Jacks

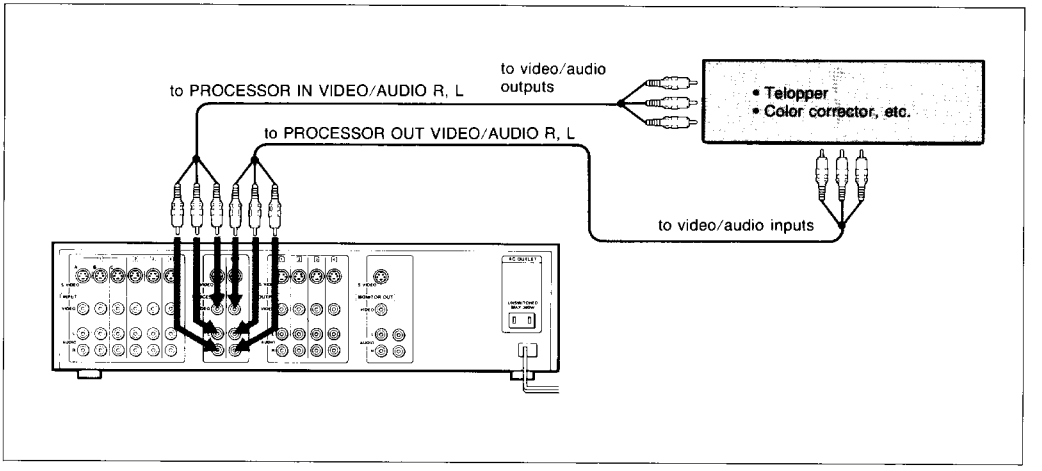
There are three input jacks A, B, C for INPUT 1.
Select one of them with the SELECT 1 (A/B/C) buttons on the front panel.



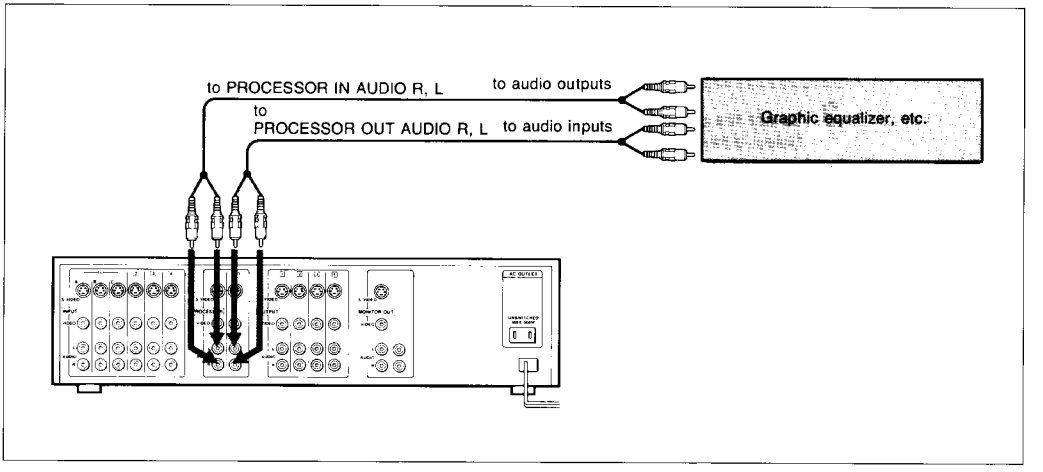
Connecting an AV Processor

AV processors are used to give special effects to the video image and to the sound.

Connecting an AV Processor that Adds Special Effects to the Picture



Connecting an AV Processor that Adds Special Effects to the Sound

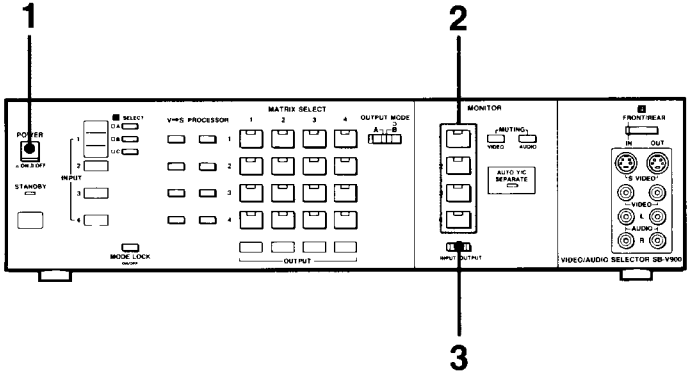


Using an AV processor with the S video jacks
Connect the S video jack of this unit and the AV processor, in addition to the connections shown in the above diagram.

Monitoring the Picture from the Video Equipment

You can monitor any desired picture which is played back or edited, by selecting the corresponding video equipment connected to this unit. You can also monitor the playback picture of other video equipment while editing.

Operation



1 **Turn on the power of the monitor, this unit, and the desired video equipment.**

2 **Select the number assigned for the jack where the desired video equipment is connected with the MONITOR buttons.**
The selected button lights up.

3 **Select the picture to be monitored with the INPUT/OUTPUT button.**
Select either the picture input to the INPUT jack chosen in step 2, or that output from the OUTPUT jacks.
Each press on the button switches INPUT and OUTPUT, and the selected indicator lights up.

4 **Start playback or recording on the video equipment.**

When using an AV processor
To monitor the picture being edited with an AV processor, press the INPUT/OUTPUT button to designate OUTPUT to select the output jacks for the recording VCR. Or, to monitor the input signal, press the INPUT/OUTPUT button to designate the input jacks.

To mute the picture or sound
Press the MUTING VIDEO or AUDIO. Press again to restore the picture or the sound.

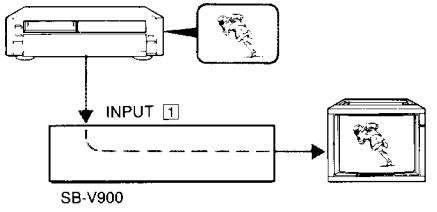
Pictures Which Can Be Monitored on the Connected Monitor

You can monitor the following pictures on the monitor connected to the MONITOR OUT jacks.

The playback picture from the video equipment connected to one of the INPUT 1 - 4 jacks

Example: Monitoring the playback picture from the VCR connected to INPUT 1

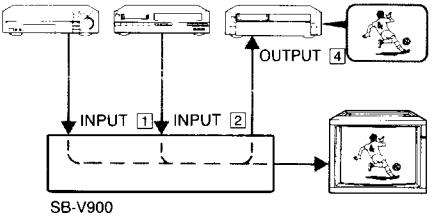
Procedure: Select 1 with the MONITOR button, and select INPUT with the INPUT/OUTPUT button.



The picture being edited with this unit

Example: When editing the picture from the videodisc player connected to INPUT 1 and that from the 8 mm VCR connected to INPUT 2 on the VCR connected to OUTPUT 4, the picture being recorded can be monitored.

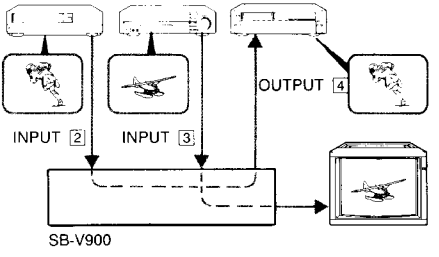
Procedure: Select 4 with the MONITOR button, and select OUTPUT with the INPUT/OUTPUT button.



The picture from the video equipment which is not used for editing

Example: The picture from the videodisc player connected to INPUT 3 can be monitored while dubbing the picture from the VCR connected to INPUT 2 on the VCR connected to OUTPUT 4.

Procedure: Select 3 with the MONITOR button, and select INPUT with the INPUT/OUTPUT button.

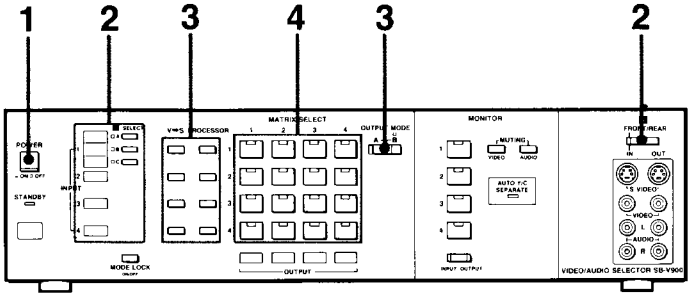


Auto Y/C separation function on MONITOR OUT jack

The MONITOR OUT jack is equipped with an automatic Y/C separate circuit. The circuit turns on automatically and the AUTO Y/C SEPARATE indicator on the front panel lights up when the input signal does not include S video signal.
If the input signal includes S video signal, the indicator does not light up.
If a monitor with S video input is connected to MONITOR OUT, the picture can be viewed on S video signal.

Editing

This unit is equipped with 8 input and 7 output jacks, which allows editing with several pieces of video equipment at the same time.
Make the input/output designation with MATRIX SELECT buttons.



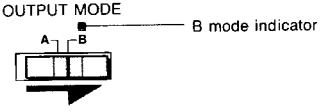
1 **Turn on the power of this unit, the desired video equipment, and the monitor.**

2 **Select the number for the jacks where the playback (input) equipment is connected.**

> **Note**
> When the selected number is 1 or 4, be sure that the following setting is made.
> INPUT 1: Select the desired equipment with the SELECT 1 (A/B/C) buttons.
> INPUT 4: Select the desired equipment with the FRONT/REAR button.

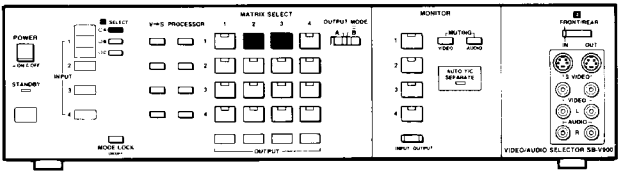
3 **Make the following settings if necessary.**

- Transforming the composite video signal into the S video signal
  — Press the V → S buttons which corresponds to the desired input number.
- Adding special effects to the picture or sound with the AV processor
  — Press the PROCESSOR buttons which corresponds to the desired input number.
- Editing with equipment connected to the INPUT and OUTPUT jacks of the same number
  — Set the OUTPUT MODE switch to B.



4 **Select the output equipment and press the MATRIX SELECT button where the input and output number columns cross.**

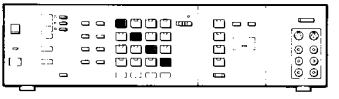
Example: Input from INPUT [1] (A) and output to OUTPUT [2] and [3].



Press the shaded buttons.

If the MATRIX SELECT button blinks

Check if the output mode A, B is set correctly, or if the signal goes out and comes in in a cycle (see next page for detail).



The shaded buttons do not function in mode A.

5 **Repeat steps 1-4 to designate other input/output, if necessary.**

6 **Start playback or recording on the video equipment.**

Note on V → S button

Press the V → S button to transform the input composite video signal into the S video signal when output. Note that this unit has one Y/C separate circuit for S video transformation, so that only one of the input signals can be transformed at a time.

To watch the picture being edited on the monitor

Select the desired picture with the MONITOR 1-4 and INPUT/OUTPUT buttons.

INPUT - The picture being played back.

OUTPUT - The picture being recorded.

Note on B mode indicator

Lights up: when the OUTPUT MODE switch is set to B, and the input/output designation of the same jack number has been made.

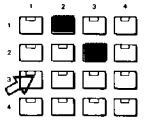
Blinks: when you set the OUTPUT MODE switch to A and start operation with the same jack number for the input/output setting. In this case, set the OUTPUT MODE switch to B to cancel the input/output setting, then set the OUTPUT MODE switch to A again to start operation.

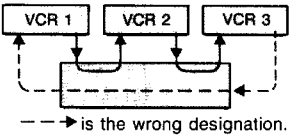
If the MATRIX SELECT Button Blinks in Mode A

When the signals go out and come in in a cycle (e.g. 1 → 2, 2 → 3, 3 → 1), it causes noise. With this unit, the MATRIX SELECT button blinks to give warning if such designation is made. The MATRIX SELECT button last pressed will not light up, but one of the buttons already lit will blink for about 5 seconds. To cancel the button last pressed, press the blinking button so that it stops blinking and lights up again.
If the blinking button is not pressed within 5 seconds, the input/output designated with the blinking button will be canceled, and the button last pressed will become valid and light up instead.

Example of wrong input/output designation in mode A

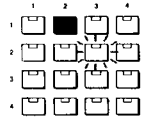
You have designated the signals to flow from VCR 1 to 2, and 2 to 3, by pressing the shaded buttons; and now you press the button indicated by the arrow to make the signals return from 3 to 1. The designation from 3 to 1 is temporarily suspended.

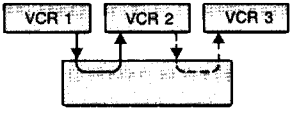




– – → is the wrong designation.

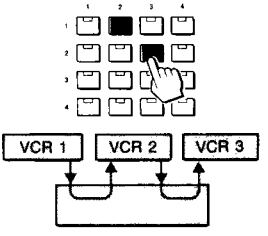
button blinks warning that the designation from 2 to 3 is going to be canceled.





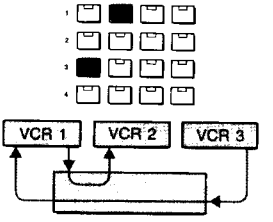
The - – → designation is given the warning.

If the blinking button is pressed.



The designation made last will be canceled.

If the button is left blinking for 5 seconds.



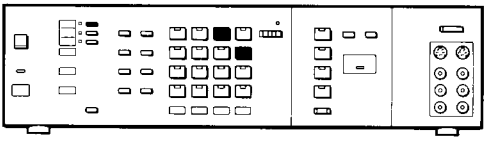
The designation from 2 to 3 will be canceled and the last designation will become valid.

Examples of Editing

1 **Recording the playback pictures from two video units to two other pieces of equipment at the same time**

Example: The playback pictures from the equipment connected to INPUT [1] (A) and [2] are recorded on the equipment connected to OUTPUT [3] and [4] respectively at the same time.

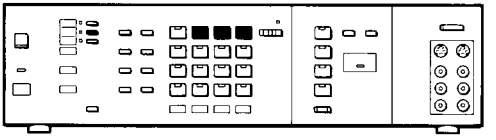
Press the shaded buttons.



2 **Recording the playback picture from one video unit to other equipment**

Example: The playback picture from the equipment connected to INPUT [1] (B) is recorded on the equipment connected to OUTPUT [2], [3], and [4].

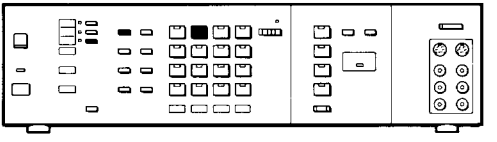
Press the shaded buttons.



3 **Editing with the input composite signal transformed to S video signal**

Example: The input composite signal from the equipment connected to INPUT [1] (C) is transformed to S video signal and output to the equipment connected to OUTPUT [2].

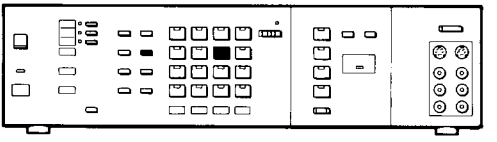
Press the shaded buttons.



4 **Editing while adding special effects with an AV processor**

Example: The playback picture from the equipment connected to INPUT [2] with special effects added by the color corrector is recorded on the equipment connected to OUTPUT [3].

Press the shaded buttons.

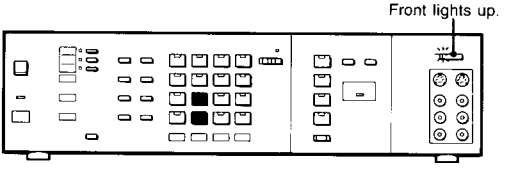


5 **Editing and recording the playback pictures from several pieces of equipment to one unit**

Example: The playback pictures from the equipment connected to INPUT [3] and INPUT [4] (on the front) are recorded on the equipment connected to OUTPUT [2] while the pictures are switched.

Press the shaded buttons.

Select FRONT with the FRONT/REAR button.



To prevent accidental operation during editing or dubbing

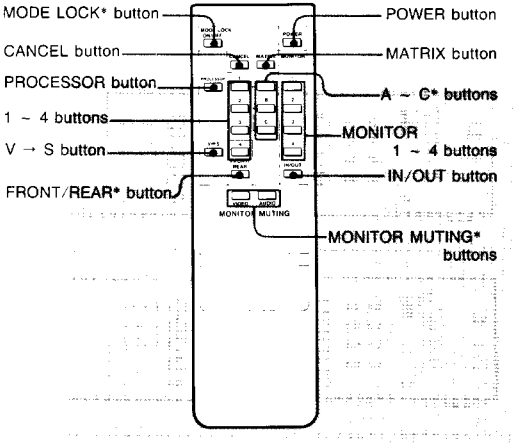
After inputs and outputs are designated for all the equipment, press the MODE LOCK button on the front panel to light it up (ON) before starting editing or dubbing. When the MODE LOCK button is set to ON, no buttons function except the buttons for MONITOR and the POWER switch even if they are accidentally pressed.

To record the signals input from two different sources alternately

When the input signal is switched to an other one, set the recording video equipment in the pause mode. Otherwise, the picture may be distorted at the point where the inputs were switched.

Using the Remote Commander

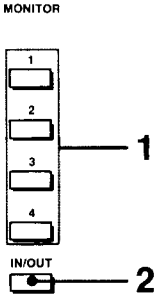
The unit can be remotely controlled using the supplied Remote Commander. In the operation with the Remote Commander, buttons and indicators on the main unit light up just as they are operated on the main unit. The operating procedure using the Remote Commander, however, slightly differs from that followed on the main unit. The operating procedure of the * buttons are the same as that of the main unit.



Monitoring the Picture From the Video Equipment

1 **Press one of the 1-4 buttons to designate the jack to be monitored.**

2 **Press the IN/OUT button to select the picture to be monitored: the picture input from the INPUT jacks or that output to the OUTPUT jacks.**



Designating Input/Output Equipment

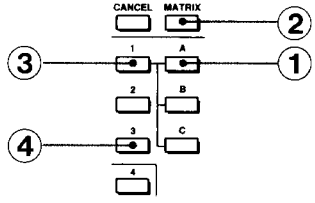
1 **Press the MATRIX button.**

2 **Press one of the 1-4 buttons to designate the number for the input jack where the input equipment (the equipment for playback) is connected.**

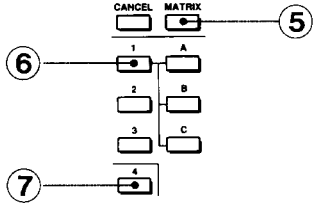
3 **Press one of the 1-4 buttons to designate the number for the output jack where the output equipment (the equipment for recording) is connected.**

Example: To input from INPUT [1] (A) and output to OUTPUT [3] and [4], press the buttons in the following order.

From INPUT [1] (A) to OUTPUT [3]

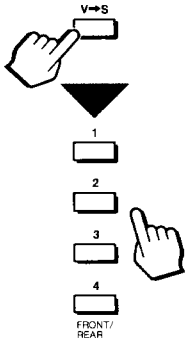


From INPUT [1] ("A" is designated in the above procedure) to OUTPUT [4]

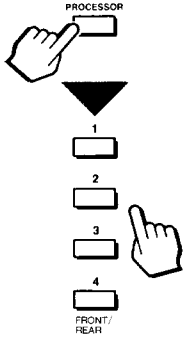


Making a Special Setting for the Input Equipment

Transforming the composite video signal into the S video signal



Adding special effects with the AV processor



Canceling the Last Pressed Button on the Remote Commander

The CANCEL button is also used to discontinue a designation which requires pressing two or more buttons in sequence.
Note that the designation cannot be canceled with the CANCEL button once the designation is completed.
To cancel the completed designation, press the buttons for the designation again.

Note
The output modes A and B cannot be switched with the Remote Commander.

Specifications

Inputs/outputs

S video inputs (8)
- Jack type: 4-pin mini DIN
- Y signal: 1 Vp-p, 75 ohms unbalanced (when terminated), sync negative
- C signal (burst signal): 0.286 Vp-p, 75 ohms unbalanced (when terminated)

S video outputs (7)
- Jack type: 4-pin mini DIN
- Y signal: 1 Vp-p, 75 ohms unbalanced (when terminated), sync negative
- C signal (burst signal): 0.286 Vp-p, 75 ohms unbalanced (when terminated)

Video inputs (8)
- Jack type: Phono jack
- Reference signal input: 1.0 Vp-p, 75 ohms unbalanced (when terminated)
- Sync: Negative

Video outputs (7)
- Jack type: Phono jack
- Output level: 1.0 Vp-p, 75 ohms unbalanced (when terminated)
- Sync: Negative
- Signal-to-noise ratio: More than 48 dB
- Crosstalk: More than 45 dB (3.58 MHz)

Audio inputs (8)
- Jack type: Phono jack
- Reference signal input: −7.5 dB
- Input capacity: 2.0 Vrms
- Input impedance: More than 47 kilohms

Audio outputs (8)
- Jack type: Phono jack
- Output impedance: Less than 5 kilohms
- Gain: 0 dB
- Signal-to-noise ratio: More than 80 dB
- Separation: More than 80 dB
- Crosstalk: More than 80 dB

Others

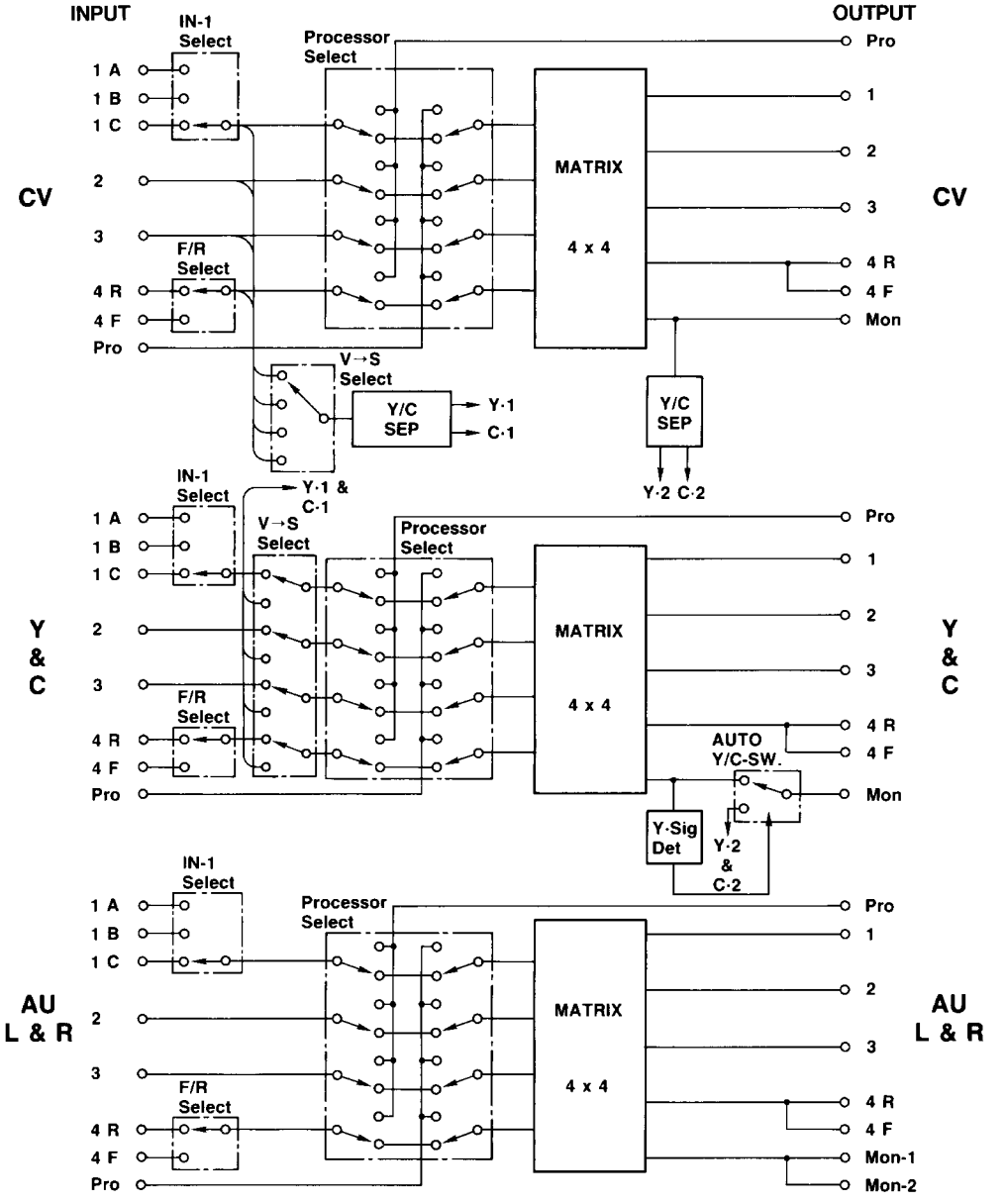
Power requirements	120 V AC, 60 Hz
Power consumption	26 W (5.0 W in standby condition)
AC outlet	Unswitched, 300 watts max.
Dimensions	430 × 115 × 370 mm (w/h/d) ($17 \times 4\frac{5}{8} \times 14\frac{5}{8}$ inches)
Weight	Approx. 6.7 kg (14 lb. 12 oz.)
Accessories supplied	Remote Commander RMT-900 (1) Sony SUM-3(NS) batteries (2) Labels for input/output identification (1 set) Quick reference for connection and editing (1)

Remote Commander RMT-900

Remote control system	Infrared control
Power requirements	3 V DC
Dimensions	51 × 20 × 175 mm ($2\frac{1}{8} \times \frac{13}{16} \times 7$ inches)
Weight	Approx. 75 g (2.6 oz.) not including batteries

Design and specifications are subject to change without notice.

Block Diagram



Troubleshooting

Should any problem persist after you have made the checks listed below, consult your nearest Sony service facility.

Symptom	Cause (and remedy)
No picture or sound	• The unit is not connected to the AC outlet. • The POWER switch is not turned on. • Incorrect connection to the equipment. (See pages ❷ to ❼.) • Equipment to be used for playback/recording and to be monitored is not selected correctly. • The MUTING button is pressed. • Improper volume settings on the connected equipment, etc.
No buttons function	• The MODE LOCK button is set to ON.
Remote control does not work.	• The Remote Commander is not pointed towards remote control detector. • There is an obstruction between the Remote Commander and the remote control detector • Replace the batteries.